Clinopyroxene-Liquid Thermobarometers

Reference	Name in ThermoBar	T-dependent?	P-dependent?	H₂O-dependent?
Clinopyroxene-Liquid Barometry. _Function "calculate_cpx_liq_press"_				
Putirka (1996)	P_Put1996_eqP1	✓		✗
	P_Put1996_eqP2	✓		✗
Putirka (2003)	P_Put2003	✓		✗
Putirka (2008)	P_Put2008_eq30	✓		✓
	P_Put2008_eq31	✓		✓
	P_Put2008_eq32c	✓		✓
Masotta et al. (2013) _recalibration of Putirka eqs. for alkali systems_	P_Mas2013_eqPalk1	✓		✗
	P_Mas2013_eqPalk2	✓		✗
	P_Mas2013_eqalk32c	✓		✓
Masotta et al. (2013)	P_Mas2013_Palk2012	✗		✓
Neave & Putirka (2017)	P_Neave2017	✓		✗
Petrelli et al. (2021)	P_ Petrelli2021_Cpx_Liq	✗		✓
Jorgenson et al. (2021)	PlaceHolder			
Clinopyroxene-Liquid Thermometry. _Function "calculate_cpx_liq_temp"_				
Putirka (1996)	T_Put1996_eqT1		✗	✗
	T_Put1996_eqT2		✓	✗
Putirka (1999)	T_Put1999		✓	✗
Putirka (2003)	T_Put2003		✓	✗
Putirka (2008)	T_Put2008_eq33		✓	✓
Masotta et al. (2013) _Recalibration of Putirka eqs. for alkali systems_	T_Mas2013_eqTalk1		✗	✗
	T_Mas2013_eqTalk2		✓	✗
	T_Mas2013_eqalk33		✓	✓
Masotta et al. (2013)	T_Mas2013_Talk2012		✗	✓
Brugman & Till (2019)	T_Brug2019		✗	✗
Petrelli et al. (2021)	T_ Petrelli2021_Cpx_Liq		✗	✓
Jorgenson et al. (2021)	PlaceHolder			
Other Functions				
_calculate_cpx_liq_press_temp():_ Iteratively solves P and T for cpx-liq pairs using an equation for P and an equation for T **calculate_cpx_liq_press_temp_matching():** Calculates P and T for all possible cpx-liquid pairs (with user-selected options for equilibrium criteria) **calculate_cpx_rhodes_diagram_lines():** Calculates equilibrium lines for a range of melt Mg#s using a variety of user-selected options for equilibrium models.				

Clinopyroxene-only Thermobarometers

Reference	Name in ThermoBar	T-dependent?	P-dependent?	H₂O-dependent?
Clinopyroxene-only Barometry. _Function "calculate_cpx_only_press"_				
Putirka (2008)	P_Put2008_eq32a	✓		✗
	P_Put2008_eq32b	✓		✓
Petrelli et al. (2021)*	P_Petrelli2021_Cpx_only	✗		✗
	P_Petrelli2021_Cpx_only_withH2O*	✗		✓
Wang et al. (2021)	P_Wang2021_eq1	✗		✗
	P_Wang2021_eq3	✗		✗
Jorgenson et al. (2021)	PlaceHolder			

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